

Curriculum plan (Odd 2026)

Teacher Name: **Mr. Vikash yadav**

Paper name: **Biochemistry: Basic concepts of metabolism (Zoo-LS-DSC-09)**

Class type: Life sciences II year(III sem) Theory

Paper shared with:

Unit to be taken	Allocated lectures	Month wise schedule to be followed	Tests/Assignments/ Revision/Presentations etc
Unit 1- Metabolism of Carbohydrates	8	, August	Theory
Unit 2-Lipid Metabolism	6	August	Theory
UNIT 3 Protein metabolism	6	September	Theory, Assignment/test
Unit 4- Enzyme	6	October	Theory
UNIT- 5: Oxidative Phosphorylation	4	November	Theory

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Paper shared with: Dr. PP Saini , Dr. Priyanka Dahiya

Date	Practical
August/2026	Qualitative tests to identify functional groups of carbohydrates, amino acids and lipids.
August/2026	Estimation of total protein in given solutions by Lowry's method
September /2026	Study effect of temperature, pH, and inhibitor on enzymatic activity of salivary amylase.
October /2026	Biological oxidation of goat liver.
October/2026	Identification of normal and abnormal constituents of urine.
November/2026	To study the enzymatic activity of Lipase.
November/2026	Dry Lab: To trace the labelled 'C' atoms of Acetyl-CoA till they evolve as CO ₂ in the TCA cycle through models.
November	REVISION and MOCK PRACTICAL TEST

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